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WPI Acc No: 1994-354822/ 199444
Surface modification of polyfluorocarbon resins - by introducing hydrophilic hydroxy gps by UV irradiation
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Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6279590	A	19941004	JP 9370339	A	19930329	199444 B
JP 2612404	B2	19970521	JP 9370339	A	19930329	199725

Priority Applications (No Type Date): JP 9370339 A 19930329
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6279590	A		15	C08J-003/28	
JP 2612404	B2		15	C08J-003/28	Previous Publ. patent JP 6279590

Abstract (Basic): JP 6279590 A

Hydrophobic polyfluorocarbons are modified by introducing hydrophilic OH gp. by UV irradiation at high enough energy to break the C-F bond to H-F and C-OH bonds. The surface of fluorocarbon resin is modified by UV irradiation at an area contacting aq. soln. of cpds. contg. C-H or N-H bond, i.e. ethanol, glycerol, butanol, PVA, acetic acid, Na glutamate, Na-stearate, ammonia or sugar, of specified concn.

The optimum ranges of concn. are 5-30 wt.% in ethanol, 0.1-8.2 wt.% in glycerol, 2.5-35 wt.% in butanol, 0.075-25 wt.% in PVA, 0.01-0.49 wt.% in acetic acid, 0.003-80 wt.% in Na glutamate, 0.5-50 wt.% in Na stearate, 0.13-3.4 wt.% in ammonia and 0.19-50 wt.% in sugar.

ADVANTAGE - The modification improves the adhesion of fluorocarbon resins.

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Derwent Class: A14; A35
International Patent Class (Main): C08J-003/28
International Patent Class (Additional): B29B-013/08; B29K-027-12; C08L-027-12